



MILTOPE

A company of ST Engineering North America



VECOM VEHICULAR INTEGRATED COMMUNICATIONS SYSTEM

VECOM is an advanced compact IP-based integrated voice and data communications system. It provides a common network platform, serving as a super highway to facilitate integration of various C4I (Command, Control, Communications, Computers and Intelligence) systems. This enhances interconnectivity, survivability and interoperability. The robust and ruggedized VECOM facilitates collaboration which helps to increase workgroups command and control efficiency on tactical vehicles operating in harsh environments.



TECHNICAL SPECIFICATIONS

COMMUNICATIONS SYSTEM

VoIP base Session Initiation Protocol (SIP) and secure SIP

Dual Ring Gigabit Ethernet Backbone – configurable to operate in fallback mode without performance degradation

System and radio management

POWER SUPPLY

18-36 VDC input, MIL-STD-1275 compliant distributed power supply

NEED TITLE FOR SECTION

Ethernet (IP Phone / IP Radio / Data Terminals)

RS232

Analogue audio (4-wire Tx / Rx / PTT)

Analogue alarm inputs and loud speaker outputs

ENVIRONMENT AND EMI/EMC QUALIFICATIONS

Operating Temperature MIL-STD-810G (-40°C to +60°C)

Storage Temperature MIL-STD-810G (-55°C to +71°C)

Solar MIL-STD-810G

Fungus MIL-STD-810G

Vibration MIL-STD-810G

Shock MIL-STD-810G

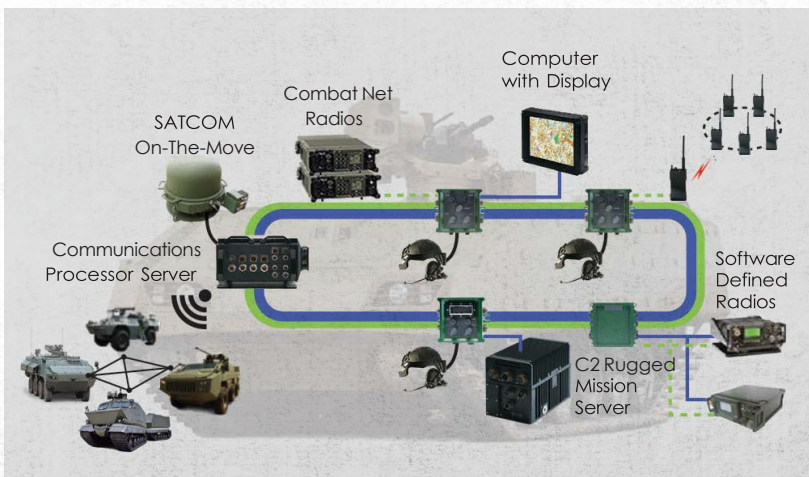
Salt Fog MIL-STD-810G

Humidity MIL-STD-810G

Ingress Protection IP68 (Water Submersion at 1m)

EMI/EMC MIL-STD-461E

Vehicular Supply Standard MIL-STD-1275D



OUR SERVICES

- System conceptualisation and design
- Manufacturing and procurement
- Implementation
- System integration
- Testing and commissioning
- Documentation and training
- Supply support
- Warranty and maintenance

ACCOLADES

- CRP (Congrès de la Radiocommunication Professionnelle) Outstanding Product Trophy for SuperneT Radio Gateway
- Asia Pacific ICT Awards (APICTA) – Merit Prize (Communication Applications Category) for SuperneT Integrated Communications System
- Infocomm Singapore Awards for SuperneT Integrated Communications System
- IES Prestigious Engineering Achievement Award for SuperneT Integrated Communications System

PATENTS

- Voice over the Internet Method and System [SG: P-No 152824 (WO 2008/069754)]
- Un-interrupted VoIP Radio Gateway Services through Clustering [SG: P-No 143323 (WO 2007/0700009)]
- Wireless Communication System [SG: P-No 120810 (WO 2005/067165)]
- Redundant Power Supply for Power-Over-Ethernet [SG: P-No 132094 (WO 2006/052217)]
- Dual Mode ISDN S/U Interface Converter
- [SG P-No 88454 (WO 02/84983)], [US 7,016,374 B2]